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KILPATRICK TOWNSEND & STOCKTON LLP

By: /connie larson/
Connie Larson

PATENT
Attorney Docket No. 90966-718527

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No. 3893
Roger Stanley Bushby	Examiner: Kuang Y. Lin
Application No.: 10/599,765	Technology Center/Art Unit: 1793
Filed: November 17, 2006	RESPONSE TO NOTIFICATION OF NON-COMPLIANT APPEAL BRIEF
For: LIQUID PRESSURE FORMING	

Mail Stop Appeal Brief
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In response to the Notification of Non-Compliant Appeal Brief mailed on May 24, 2011 for the above-referenced application, Appellants submit this Response.

5. SUMMARY OF CLAIMED SUBJECT MATTER

In the following summary, Appellants provide references to sections of the Specification and Drawings supporting the subject matter defined in the claims as required by 37 CFR 41.37. These references are intended to be illustrative in nature only.

Independent claim 19 is the sole independent claim. The claimed subject matter of claim 19 relates to a method of casting a component from a metal having a liquidus temperature. Claim 19 claims a step (a) of providing a die having a first part defining at least part of a die cavity with an external opening, and a second part defining a chamber for housing the first part, the chamber having an opening which is registrable with the external opening of the first part when housed in the second part (page 7, line 20 through page 8, line 9; page 12, line 25 through page 13, line 13 and Fig. 3, elements 102 and 108). In step (b) the first part of the die

is heated to a temperature above the liquidus temperature of the metal whilst maintaining the second part of the die at a temperature below the liquidus temperature of the metal (page 13, line 14 through page 14, line 19). In step (c), the first part of the die is placed in the chamber of the second part with the chamber opening registered with the external opening of the first part (page 13, line 14 through page 14, line 19 and Fig. 3). In step (d), molten metal is introduced into the die cavity through the chamber opening (page 13, line 14 through page 14, line 19). In step (e) molten metal is solidified in the die cavity. In step (f), the first part of the die is removed from the second part after solidification, and the first part is cooled independently of the second part before removing the solidified component from the first part (page 8, lines 10-25 and page 13, line 14 through page 14, line 19). In step (g), a third part is provided corresponding to the first part, and steps (b) to (e) are repeated with the third part in place of the first part, wherein molten metal is introduced into the third part whilst cooling the first part independently of the second part (page 8, lines 10-25).

Respectfully submitted,

/darin j gibby/
Darin J. Gibby
Reg. No. 38,464

KILPATRICK TOWNSEND & CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 303-571-4000
Fax: 303-571-4321
DJG/cl

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